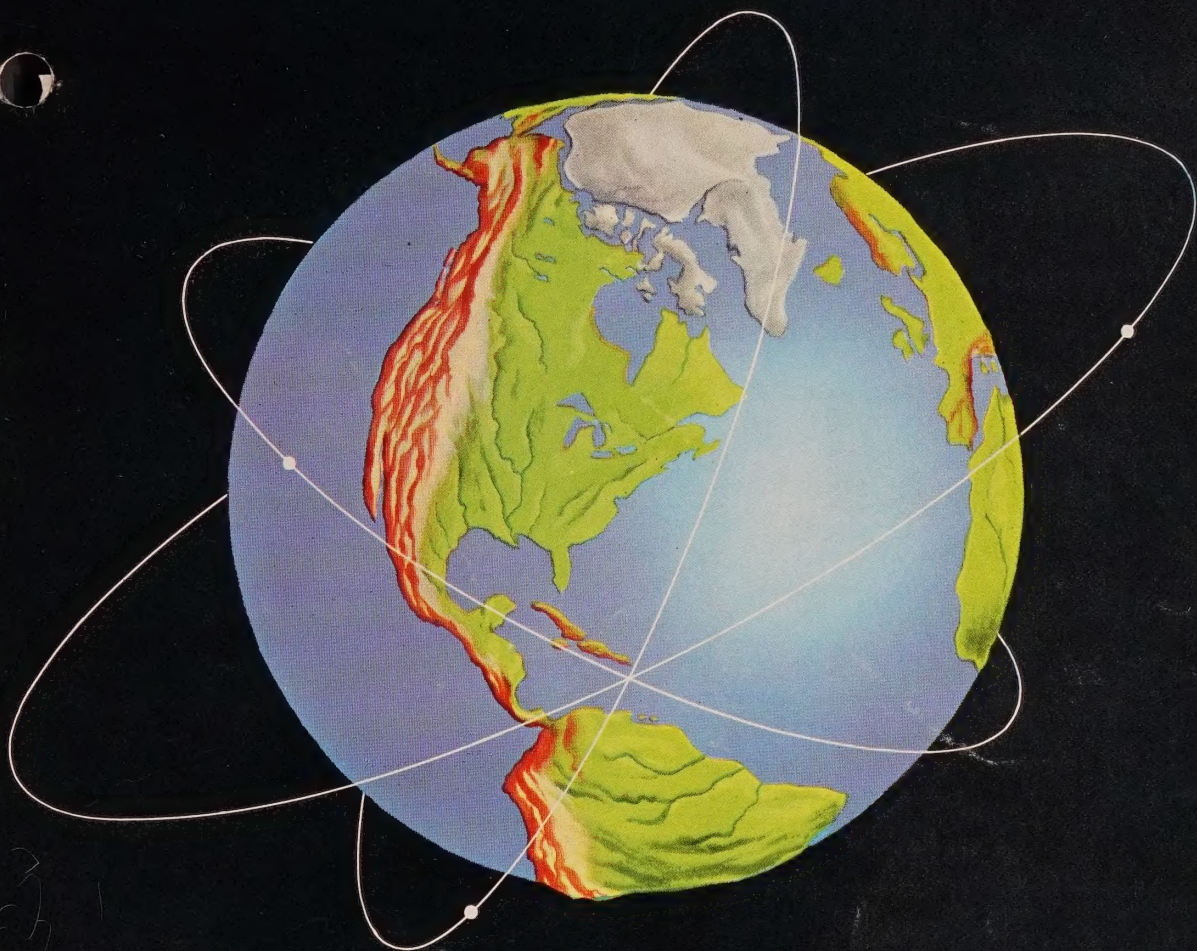




Johnson Amateur Equipment
...For Full Communication

POWER!



Top performance isn't simply a matter of watts. Only carefully integrated equipment design can be relied on to develop effective power that punches your signal home every time. That's what we call "communication power" . . . and your Viking transmitter will deliver it in full measure!



Your best buy!

Johnson Amateur Equipment



VIKING "ADVENTURER" TRANSMITTER

Here's a compact, completely self-contained 50 watt CW transmitter ideally suited to the novice! Used to earn the first novice WAC (Worked All Continents), the "Adventurer" is effectively TVI suppressed . . . puts 50 watts of power into a rugged 807 transmitting tube. Instant bandswitching 80 through 10 meters . . . operates by crystal or external VFO control. Wide range pi-network output—no antenna tuner needed. Break-in keying is clean and crisp. Designed for easy assembly—with tubes, less crystals and key.

Cat. No. 240-181-1 Kit

VIKING "RANGER" TRANSMITTER

This popular 75 watt CW or 65 watt phone transmitter delivers a solid signal! As an RF and audio exciter, the "Ranger" will also drive any of the popular kilowatt level tubes. Completely self-contained . . . effectively TVI suppressed. Instant bandswitching 160 through 10 meters—operates by extremely stable, built-in VFO or crystal control. Final amplifier tube is a 6146. Easily assembled—with tubes, less crystals, key and microphone.

Cat. No. 240-161-1 Kit

Cat. No. 240-161-2 Wired and tested . . .



VIKING "VALIANT" TRANSMITTER

Here is power to slice through terrific QRM . . . a transmitter engineered for outstanding flexibility and performance! 275 watts input on CW and SSB*, 200 watts phone. Instant bandswitching 160 through 10 meters—operates by built-in VFO or crystal control. Pi-network tank circuit will match antenna loads from 50 to 600 ohms—final amplifier utilizes three 6146 tubes in parallel. TVI suppressed—timed sequence (break-in) keying—low level audio clipping—built-in low pass audio filter—self-contained power supplies. With tubes, less crystals, key and microphone.

Cat. No. 240-104-1 Kit

Cat. No. 240-104-2 Wired and tested . . .



VIKING "FIVE HUNDRED" TRANSMITTER

Over a half-kilowatt of *full* communication power! Rated 600 watts CW . . . 500 watts phone and SSB*—compact RF unit designed for desk-top operation—power supply/modulator unit may be placed in any convenient location. All exciter stages ganged to VFO tuning—also may be operated by crystal control. Instant bandswitching 80 through 10 meters—TVI suppressed—high gain push-to-talk audio system—low level audio clipping. Pi-network output will match a wide range of antenna impedances. With tubes, less crystals, key and microphone.

Cat. No. 240-500-1 Kit

Cat. No. 240-500-2 Wired and tested . .



Your best buy

Johnson Amateur Equipment

Price Schedule - August 15, 1957

Item	Catalog No.	Amateur Net
Adventurer	240-181-1	\$ 54.95
Ranger	240-161-1 kit	229.50
	240-161-2 wired	329.50
Valiant	240-104-1 kit	349.50
	240-104-2 wired	439.50
Five Hundred	240-500-1 kit	749.50
	240-500-2 wired	949.50
Mobile	240-141-1 kit	107.00
	240-141-2 wired-special	order only
Mobile VFO	240-152-1 kit	33.95
	240-152-2 wired	52.50
Whipload "6"	250-26 wired	16.95
6N2	240-201-1 kit	129.50
	240-201-2 wired	169.50
Two Meter VFO	240-132-1 kit	29.50
	240-132-2 wired	46.50
Pacemaker	240-301-2 wired	495.00
Power Divider	250-34 wired	25.50
Kilowatt Amplifier	240-1000 wired	1595.00
Matching Desk	251-101	132.00
Pre-tuned beams	138-420-3	139.50
	138-415-3	110.00
	138-410-3	79.50
"Rotomatic" Rotator	138-112-51	354.00
Matchstick	137-102	129.50
Matchboxes		
275 watt	250-23 wired	54.95
1000 watt	250-30 wired	124.50
Audio Amplifier	250-33-1 kit	73.50
	250-33-2 wired	99.50
Low Pass Filter		
	250-20 52 ohms	14.95
	250-35 72 ohms	14.95
SWR Bridge	250-24	9.75
Power Reducer	250-29	13.95
Crystal Calibrator	250-28	17.95
Signal Sentry	250-25	22.00

E. F. JOHNSON COMPANY
WASECA, MINNESOTA

for mobile...



VIKING "MOBILE" TRANSMITTER

This power-packed mobile transmitter is rated at 60 watts PA input—powerful PP807 modulator is designed for extra audio punch! Instant bandswitching 75 through 10 meters. All stages ganged to a single tuning knob. Under-dash mounting. Specify 6 or 12 volts. Less tubes, crystals, microphone and power supply.

Cat. No. 240-141-1 Kit

Cat. No. 240-141-2 Wired and tested on special order only.

MOBILE VFO

Small size permits steering post mounting... rugged construction minimizes frequency shift. Temperature compensated and voltage regulated. Calibrated 75 through 10 meters. With tubes.

Cat. No. 240-152-1 Kit

Cat. No. 240-152-2 Wired and tested

"WHIPLoad-6"

Provides high efficiency base loading for mobile whips—bandswitching 75 through 10 meters. Air-wound coil provides extremely high "Q". Fibre-glass housing. Mounts on standard mobile whip.

Cat. No. 250-26 Wired and tested

for VHF...

VIKING "6N2" TRANSMITTER

This compact VHF transmitter is rated at 150 watts CW and 100 watts phone—bandswitching 6 and 2 meters! TVI suppressed—may be used with the Viking I, II, "Ranger", or similar power supply/modulator combinations. Crystal control or may be operated by external VFO with 8-9 mc. output.

With tubes, less crystals, key and microphone.

Cat. No. 240-201-1 Kit

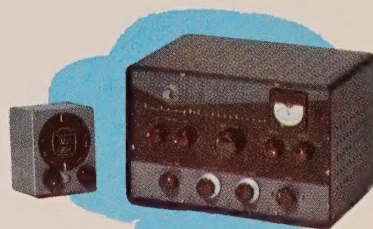
Cat. No. 240-201-2 Wired and tested

TWO METER VFO

Replaces 8 mc. crystals in most two meter equipment, including types using overtone oscillators. Temperature compensated—excellent stability. Output range: 7.995 mc. to 8.235 mc. Edge-lighted lucite dial calibrated 144 to 148 mc. Requires 6.3 volts at .3 amp. and 250-325 volts at 10 ma. With tubes, power cable, and plug.

Cat. No. 240-132-1 Kit

Cat. No. 240-132-2 Wired and tested



VIKING "PACEMAKER" TRANSMITTER

This exciting transmitter is the perfect companion unit to the Viking "Kilowatt." 90 watts input CW and SSB (P.E.P.)... 35 watts AM! Excellent stability—built-in temperature compensated VFO—separate crystal control provided for each band. Bandswitching 80, 40, 20, 15 and 10 meters—automatic voice controlled operation. Pi-network matches antenna loads from 50 to 600 ohms. More than enough power to drive a kilowatt amplifier. With tubes and crystals, less key and microphone.

Cat. No. 240-301-2
Wired and tested

POWER DIVIDER — Provides up to 35 watts continuous dissipation for proper output loading of the "Pacemaker" when used to drive the Viking "Kilowatt"
Cat. No. 250-34

VIKING "KILOWATT" AMPLIFIER

Imagine yourself at the controls of this exciting Viking "Kilowatt"! You'll marvel at the ease of selecting maximum legal input AM, CW or SSB with the flip of a single switch... you'll immediately sense the authority of its full kilowatt signal, placing the world at your fingertips.

Continuous frequency coverage 3.5 to 30 megacycles, wide range antenna matching and complete TVI suppression. Compact pedestal contains the complete "Kilowatt".

Excitation requirements: 30 watts RF and 10 watts audio for AM; 2-3 watts peak for SSB.

Cat. No. 240-1000 Wired and tested with tubes

Cat. No. 251-101 Matching accessory desk

Antennas, Beams and Rotators...

PRE-TUNED BEAMS—Rugged, semi-wide spaced with balun matching sections. Approximately 9.0 db gain over tuned dipole—more than 27 db front-to-back ratio with low SWR. Pattern is uni-directional, beam width is 55°. With 3 elements, boom and balun.

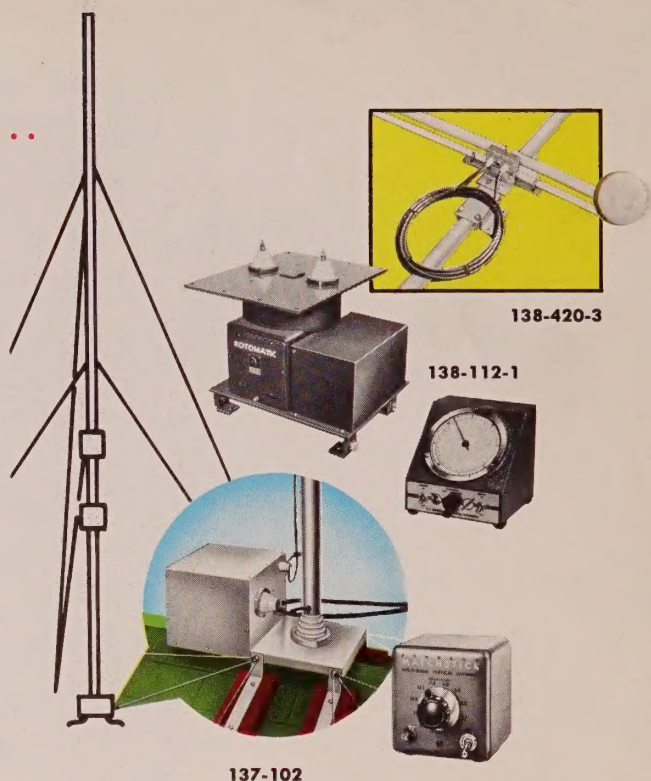
Cat. No. 138-420-3 20 Meters.
Cat. No. 138-415-3 15 Meters.
Cat. No. 138-410-3 10 Meters.

"ROTOMATIC" ROTATOR—Supports up to 175 lb. beams even under heavy icing or in high winds. Rotates 1/4 RPM—1200 to 1 gear reduction. Cast aluminum housing with 5/16" steel rotating table. (Tilts 90°.) Includes desk top control box with selsyn indicator.

Cat. No. 138-112-1 With slip rings for continuous rotation. For open wire line.
Cat. No. 138-112-51 With limit switches for 370° rotation. For coaxial line.

VIKING "MATCH-STICK"—Fully automatic, pre-tuned multi-band vertical antenna system. Bandswitching 80 through 10 meters. Remotely motor driven from operating position. Easily mounts on roof top or in limited space location. Low SWR (less than 2 to 1) all bands. Impedance: 52 ohms. With 35' mast, base, tuning network, relays, control box and 6 nylon guy ropes.

Cat. No. 137-102 Pre-tuned.



Station Accessories...

VIKING "MATCH BOXES"—Self-contained, band switching 80 through 10 meters. Provides integrated antenna matching and switching. Tunes out large amounts of reactance. No load-tapping or plug-in coils necessary.

Cat. No. 250-23 275 watts, wired.
Cat. No. 250-30 Kilowatt, wired.

VIKING AUDIO AMPLIFIER—Self-contained 10-watt speech amplifier, complete with power supply and tubes. Speech clipping and filtering improves performance and effectiveness of your AM transmitter.

Cat. No. 250-33-1 Kit.
Cat. No. 250-33-2 Wired and tested.

LOW PASS FILTER—Handles more than 1000 watts RF. 75 db or more attenuation above 54 mc. Wired, pre-tuned.

Cat. No. 250-20 52 Ohms Impedance.
Cat. No. 250-35 72 Ohms Impedance.

SWR BRIDGE—Provides accurate measurement of SWR for effective use of low pass filter and antenna coupler.

Cat. No. 250-24 52 Ohms Impedance.

POWER REDUCER—Provides up to 20 watts continuous dissipation, permitting 100-150 watt transmitters such as Johnson Viking, Collins 32V to serve as exciters for the Viking "Kilowatt". Completely shielded.

Cat. No. 250-29.

CRYSTAL CALIBRATOR—Provides accurate 100 kc check points to 55 mc. Requires 6.3 volts at .15 amps and 150-300 volts at 2 ma. With tube and crystal.

Cat. No. 250-28 Wired and tested.

"SIGNAL SENTRY"—Monitors CW or phone signals up to 50 mc. Powered by receiver. With tubes.

Cat. No. 250-25 Wired and tested.

KEYS AND PRACTICE SETS—See your distributor or write for descriptive literature on Johnson's complete key line.



The E. F. Johnson Co. reserves the right to change prices or specifications without notice and without incurring obligation.



E. F. Johnson Company

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